2022-23

PROJECT MANAGEMENT CONSULTANCY REPORT

Name of the Client: : Executive Engineer (Electrical) Dasarahalli Zone, BBMP, Bangalore.

Agency: : M/s Nagaraju Lingaiah (Vedha Electricals), Contractor, Bangalore.

Name of the Work: : Providing LED Street lights/ Poles/ Control Switches/ Control Wires at Dark/ Volernabal places in ward no.12, BBMP, Bangalore

M/s. CIVIL QUALITY CONSULTANTS& ENGINEERS

(Buildings Geo-Tech &Road Materials Testing Laboratory)
An ISO 9001: 2015 Certified Company
NABL Accredited as per ISO-17025: 2017 Laboratory

#133, Bhuvaneshwarinagar, Dodda Basti Main Road, Bangalore-560056
E-mail: civilqualityconsultants@gmail.com Ph: 080-23240644 Mob: 9886998316

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ISO 9001:2015 Certified & NABL Accredited
Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Name of Work : : Providing LED Street lights/ Poles/ Control Switches/ Control Wires at Dark/ Volernabal places in ward no.12, BBMP, Bangalore

Name of Client	:	**Executive Engineer (Electrical)** Dasarahalli Zone, BBMP, Bangalore.
Contractor/Agency	:	**M/s Nagaraju Lingaiah (Vedha Electricals),** Contractor, Bangalore.
Total Cost	:	Rs. 241.45 Lakhs
Date of Inspection	:	18.06.2022
Work Order Number	:	EE/ELE/DZ/TEND/W0/000012/2022-23
Status of Bill	:	1st and Final Bill
In the Presence of	:	(a) **Assistant Engineer (W.No.12),** BBMP, Bangalore.
	:	(b) Mr. S M Sathya Narayana, (Electrical Engineer)
	:	M/S Civil Quality Consultants and Engineers, Bangalore

Sl.No	Description of the Item		Comments / observations
1	Supply of LED Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp	:	Work done up to the billed quantity and Quality is satisfactory
2	Fabricating, supplying and erecting swaged tubular pole of height …Mtr having three sections, and providing two coats of red	:	Work done up to the billed quantity and Quality is satisfactory
3	Supplying, and fixing of Hot dip Galvanized M.S.Bracket suitable for out door luminaries and mounted on Octagonal pole	:	Work done up to the billed quantity and Quality is satisfactory
4	Fixing halogen/metal halide / SVL / IL / LED floodlight fitting over existing pole / wall ceiling including clamps, bolts, nuts and wiring	:	Work done up to the billed quantity and Quality is satisfactory

Executive Engineer (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

JUNIOR ENGINEER (Ele)

For CIVIL QUALITY CONSULTANTS & ENGINEERS
Authorised Signatory

Corporate Office : 73, Bharathi Nagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 85535 18550, 080-23240644 Email: civilqualityconsultants@gmail.com

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Sl.No	Description of the Item		Comments / observations
5	Supplying and Fixing of. mm dia class A GI pipe bracket up to 2 Mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40	:	Work done up to the billed quantity and Quality is satisfactory
6	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-	:	Work done up to the billed quantity and Quality is satisfactory
7	Wiring for lighting/power circuit using one of PVC insulated 1100V grade, stranded Aluminium wire single core in open or	:	Work done up to the billed quantity and Quality is satisfactory
8	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-	:	Work done up to the billed quantity and Quality is satisfactory
9	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as	:	Work done up to the billed quantity and Quality is satisfactory
10	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as	:	Work done up to the billed quantity and Quality is satisfactory
11	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per	:	Work done up to the billed quantity and Quality is satisfactory
12	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm	:	Work done up to the billed quantity and Quality is satisfactory
13	Supplying and running of GI/Copper strips for grounding connections, using necessary fixing materials as required.25x3mm GI strip	:	Work done up to the billed quantity and Quality is satisfactory
14	Fabricating supplying and mounting MS box made out … SWG suitable for floor / wall mounting, fully weather proof with	:	Work done up to the billed quantity and Quality is satisfactory
15	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat … with bolts, washers etc., and painted with 2	:	Work done up to the billed quantity and Quality is satisfactory
16	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary, screws, bolts, nuts,	:	Work done up to the billed quantity and Quality is satisfactory

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For CIVIL QUALITY CONSULTANTS & ENGINEERS
Corporate Off.: No.133, 8th Cross, 1st Main, Doddabasti Main Road, Bangalore-560 056.
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Sl.No	Description of the Item		Comments / observations
17	Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers.	:	Work done up to the billed quantity and Quality is satisfactory
18	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts,	:	Work done up to the billed quantity and Quality is satisfactory
19	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve,	:	Work done up to the billed quantity and Quality is satisfactory
20	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches, regulators etc., and fixing on existing	:	Work done up to the billed quantity and Quality is satisfactory
21	Supplying and drawing Flexible Multicore Cable manufactured with electrolytic grade flexible copper with low	:	Work done up to the billed quantity and Quality is satisfactory
22	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor	:	Work done up to the billed quantity and Quality is satisfactory
23	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes.a)1.5 sqmm	:	Work done up to the billed quantity and Quality is satisfactory
24	b) Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes6 Sqmm	:	Work done up to the billed quantity and Quality is satisfactory
25	c) Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes16 Sqmm	:	Work done up to the billed quantity and Quality is satisfactory
26	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary	:	Work done up to the billed quantity and Quality is satisfactory
27	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound	:	Work done up to the billed quantity and Quality is satisfactory
28	1.1 kV, LT Aerial Bunched Cable, confirming to IS-14255: 1995 XLPE insulation Parameter shall be as below	:	Work done up to the billed quantity and Quality is satisfactory

Executive Engineer
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Sl.No	Description of the Item		Comments / observations
29	Stringing of 1.1 kV grade Aerial Bunched 3 Core cable of XLPE insulation of size (3x95) (Phase Conductor) + (1x70) (Insulated	:	Work done up to the billed quantity and Quality is satisfactory
30	RCC Pole - 9 Mtr Long, 145 Kg WL	:	Work done up to the billed quantity and Quality is satisfactory
31	LT 2 Pin Cross Arm with clamps, bolts, nuts & washers with braces - MS for RCC pole	:	Work done up to the billed quantity and Quality is satisfactory
32	c) No. 8 Strain Insulator	:	Work done up to the billed quantity and Quality is satisfactory
33	Laying of UG Cables by trenchless technology by adopting horizontal boring & Drawing of cable including preparation at site With HDPE	:	Work done up to the billed quantity and Quality is satisfactory
34	Supply of LED pole mounting type post top lantern with pressure die cast aluminium housing body for optimal thermal dissipation.	:	Work done up to the billed quantity and Quality is satisfactory
35	Supply of LED Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp	:	Work done up to the billed quantity and Quality is satisfactory
36	Supply of LED floodlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation.	:	Work done up to the billed quantity and Quality is satisfactory
37	Fabricating, supplying and erection of …Mtrs long hot dip Galvanized Octagonal pole with BSEN 10025 grade	:	Work done up to the billed quantity and Quality is satisfactory
38	Eartwork excavation for foundation of buildings,water supply,sanitary lines and electrical conduits either in pits or in trenches	:	Work done up to the billed quantity and Quality is satisfactory
39	KSRB 4-6.1: Provding and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations,	:	Work done up to the billed quantity and Quality is satisfactory
40	KSRRB .:Providing and laying in position plain cement concrete of nominal mix 1:4:8 with OPC @ 180Kgs,with using 40 mm and down	:	Work done up to the billed quantity and Quality is satisfactory

Executive Engineer (Ele) / JUNIOR ENGINEER (Ele)
Dasarahalli Zone, Bangalore

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Executive Corporate Off.: No.1, 3rd Cross, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 9538185850, 080-23240644, Email: civilqualityconsultants@gmail.com

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Sl.No	Description of the Item		Comments / observations
41	KSRB 4.9.2 : Providing T.M .T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking,	:	Work done up to the billed quantity and Quality is satisfactory
42	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete	:	Work done up to the billed quantity and Quality is satisfactory

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